Pleasant Valley High School

Anatomy and Physiology

Unit 6 Review Sheet – The Nervous System

**Know the function, definition, structure, etc. of each of the following terms. The test is 50 multiple choice questions. Do not rely on this list to be all inclusive, simply use this as a guide from which to pace your studying.**

Nervous system

Central nervous system (CNS)

Peripheral nervous system (PNS)

Afferent (sensory)

division/neurons/pathways

Efferent (motor)

division/neurons/pathways

Somatic nervous system

Autonomic nervous system

Sympathetic division

Parasympathetic division

Neurons

Dendrites

Axon

Synaptic terminals

Neuron cell body (soma)

Nissl bodies (gray matter)

Synapse

Multipolar neuron

Unipolar neuron

Bipolar neuron

Sensory neurons

Motor neurons

Interneurons

Neuroglia (glial cells)

Astrocytes

Oligodendrocytes

Myelin

Myelinated

Unmyelinated

White matter

Gray matter

Microglia

Ependymal cells

Satellite cells

Schwann cells

Ganglia

Nerves

Neural cortex

Nuclei/centers

Tracts

Sensory (afferent) pathways

Motor (efferent) pathways

Membrane potential

Resting potential

Leak channels (Na+ and K+)

Gated channels (Na+ and K+)

Depolarization

Repolarization

Hyperpolarization

Graded potentials

Action potential

Threshold

All-or-none principle

Refractory period

Continuous propagation

Saltatory propagation

Synapse

Synaptic knob

Presynaptic neuron/membrane

Postsynaptic neuron/membrane

Synaptic cleft

Neurotransmitter

Acetylcholine (ACh)

Neuronal pools

Divergence

Convergence

Cerebrum

Cerebral hemispheres

Brain stem

Midbrain

Pons

Medulla oblongata

Cerebellum

Gyri (sing. Gyrus)

Sulci (sing. Sulcus)

Central sulcus

Precentral gyrus (primary motor

cortex)

Postcentral gyrus (primary sensory

cortex)

Frontal lobe

Prefrontal cortex

(executive functions)

Motor cortex (movement)

Gustatory cortex (taste)

Temporal lobe

Auditory cortex (hearing)

Olfactory cortex (smell)

Parietal lobe

Sensory cortex (touch,

pain, temp)

Occipital lobe

Visual cortex (sight)

Association areas

Corpus callosum

General interpretive area

(Wernicke’s area)

Speech center (Broca’s area)

Hemispheric lateralization

Reflex

Reflex arc

Monosynaptic reflex Polysynaptic reflex

\*\*Good Luck\*\*